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UNITED STATES GRADES FOR MILLED RICE

RECOMMENDED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE

UNITED STATES DEPARTMENT OF AGRICULTURE
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UNITED STATES GRADES FOR MILLED RICE.

Recommended by the United States Department of Agriculture.[1]

The following grades for the grading and marketing of milled rice are recommended by the Bureau of Markets of the United States Department of Agriculture.

In September, 1918, permissive standards for milled rice were published by the Department of Agriculture (Markets Document 15) and adopted by the United States Food Administration and by boards of trade and other agencies engaged in the handling of milled rice. Certain changes were made in these permissive standards as the result of the department's observation and experience with them, and the revised grades were published in tentative form as the basis of proposed standards to be established under the United States grain standards Act as the official grain standards of the United States for milled rice. Hearings were held at convenient points to the principal rice producing and distributing sections, at which the comments and criticisms of rice producers, millers, merchants, warehousemen, carriers, and others interested were received. All criticisms and suggestions at the hearings and through written communications have had careful consideration.

The grades here recommended are the result of extensive investigations relating to the various phases of the rice industry conducted by the Department of Agriculture, of the observations and experience of the department with the permissive standards published in September, 1918, and the suggestions received by the department at the hearings referred to above.

The classification in the standards is based on the length of whole kernels for classes I, II, III, and IV, and on size of broken kernels for classes V, VI, and VII. For the purposes of a general classification the Bureau of Plant Industry, United States Department of Agriculture, has heretofore referred to the different varieties as long-grain, medium-grain, and short-grain, and has used these terms in its publications dealing with rice culture and production. At the hearings mentioned above, the trade objected to the class name Medium as applied to the translucent type of the variety known commercially as Early Prolific and the varieties known commercially as Blue Rose and Louisiana Pearl, and to the class name Medium-opaque as applied to the opaque type of the variety known commercially as Early Prolific, for the reason that the word "medium" is

[1] These standards embody the recommendations of the United States Department of Agriculture, but are not fixed and established at this time under the United States grain standards Act because of a lack of funds for their paoper enforcement as compulsory standards.

now used in commercial terminology as a grade name and denotes an inferior grade of rice. It was suggested by the trade that the class name Short be used to apply to the varieties known commercially as Blue Rose, Louisiana Pearl, and Early Prolific, and that the class name Round be used to apply to the varieties known commercially as Japan or Japanese, and it is felt that they more nearly conform to commercial needs and should be adopted.

These grades are not fixed and established under the United States grain standards Act at this time, but it is hoped that they will be adopted by all agencies engaged in the handling of milled rice. It is believed that with the voluntary and general support of all interested parties these standards will assist very materially in the marketing of milled rice.

UNITED STATES GRADES FOR MILLED RICE.

For the purposes of the United States grades for milled rice:

SECTION 1. *Milled rice.*—Milled rice shall be whole or broken kernels of rice grown in continental United States, from which the hulls, germs, and practically all of the bran layers have been removed, which may be either coated or uncoated, and which shall contain not more than ten per centum of seeds, paddy grains, other cereal grains, and other foreign material, either singly or in any combination.

SECTION 2. *Basis of determinations.*—Each determination of paddy grains, other cereal grains, seeds, other foreign material, heat-damaged kernels, temperature, odor, live weevils or other insects injurious to stored rice, color, coating, and moisture shall be made on the basis of the grain including foreign material. All other determinations shall be made on the basis of the grain when free from foreign material.

SECTION 3. *Percentages.*—Percentages, except in the case of moisture, shall be percentages ascertained by weight.

SECTION 4. *Percentage of moisture.*—Percentage of moisture shall be that ascertained by the moisture tester and the method of use thereof described in Circular No. 72, and supplement thereto, issued by the United States Department of Agriculture, Bureau of Plant Industry, except that the flask to be used shall be the double-walled flask described in the United States Department of Agriculture Bulletin No. 56, or that ascertained by any device and method giving equivalent results.

SECTION 5. (*a*) *No. 5½ sieve.*—A metal sieve perforated with round holes 5½ sixty-fourths inch in diameter.

(*b*) *No. 6 sieve.*—A metal sieve perforated with round holes 6 sixty-fourths inch in diameter.

(*c*) *No. 6½ sieve.*—A metal sieve perforated with round holes 6½ sixty-fourths inch in diameter.

SECTION 6. *Coated rice.*—Coated rice shall be rice which has been coated with glucose and talc or any other substance. Coated rice shall be graded and designated according to the grade requirements of the standards applicable to such rice if it were not coated, and there shall be added to and made a part of such grade designation the word "coated."

SECTION 7. *Damaged kernels.*—Damaged kernels shall be kernels and pieces of kernels of milled rice which have been distinctly damaged by water, insects, or by any other means. Sound double and sound broken kernels shall not be considered damaged kernels.

SECTION 8. *Heat-damaged kernels.*—Heat-damaged kernels shall be kernels and pieces of kernels of milled rice which have been distinctly discolored by external heat or as a result of heating caused by fermentation.

SECTION 9. *Foreign material.*—Foreign material shall be paddy grains and any matter other than rice.

SECTION 10. *Cereal grains.*—Cereal grains shall be paddy grains (rough rice), rye, barley, emmer, spelt, einkorn, corn, grain sorghums, oats, and wheat only, and shall not include buckwheat, flaxseed, and wild oats.

SECTION 11. *Paddy grains.*—Paddy grains shall be grains of rice from which the hulls have not been removed.

SECTION 12. *Seeds.*—Seeds shall be grains, kernels, or seeds, either whole or broken, of any plant other than rice or other cereal grains.

SECTION 13. *Red rice.*—Red rice shall be kernels or pieces of kernels of milled rice which are distinctly red in color or have any red bran thereon.

SECTION 14. *Whole kernels.*—Whole kernels shall include perfect kernels of milled rice and pieces of kernels of milled rice which are not split and which in length are equal to or greater than three-fourths of the length of the perfect kernel.

SECTION 15. *Broken kernels.*—Broken kernels shall be split kernels of milled rice, and pieces of kernels which are less than three-fourths of the length of the perfect kernel.

SECTION 16. *Chalky kernels.*—Chalky kernels shall be kernels and pieces of kernels of milled rice, one-half or more of which is chalky.

CLASSES OF MILLED RICE.

SECTION 17. Milled rice shall be divided into classes as follows:

Class I. Long.

This class shall include all long-grain rices, such as those known commercially as Honduras, Carolina Gold, Carolina White, and Edith, which contain more than twenty-five per centum of whole kernels and not more than four per centum of whole kernels of rice of the classes Short and Round, either singly or combined.

Class II. Short.

This class shall include all short-grain rices, such as those known commercially as Blue Rose, Louisiana Pearl, and Early Prolific, which contain more than twenty-five per centum of whole kernels and not more than four per centum of whole kernels of the classes Long and Round, either singly or combined.

Class III. Round.

This class shall include all round-grain rices, such as those known commercially as Japan or Japanese, including Wataribune, Shinriki, "1564" (Butte),[1] "1600" (Colusa),[1] and Onsen, which contain more than twenty-five per centum of whole kernels and not more than four per centum of whole kernels of rice of the classes Long and Short, either singly or combined.

Class IV. Mixed.

This class shall be a mixture of any two or more of classes I, II, and III, but which does not meet the requirements of any one of such classes.

Class V. Second Head.

This class shall consist of milled rice which contains not more than twenty-five per centum of whole kernels, not more than forty per centum of broken kernels which will pass readily through a No. 6½ sieve, and not more than ten per centum of broken kernels which will pass readily through a No. 6 sieve.

Class VI. Screenings.

This class shall consist of milled rice which contains not more than twenty-five per centum of whole kernels, which does not meet the requirements of size separations specified for the class Second Head, and which contains not more than fifteen per centum of broken kernels which will pass readily through a No. 5½ sieve.

Class VII. Brewers.

This class shall consist of milled rice which contains not more than twenty-five per centum of whole kernels and contains more than fifteen per centum of broken kernels which will pass readily through a No. 5½ sieve.

GRADE REQUIREMENTS.

Long Milled Rice.

SECTION 18. *Grades for Long Milled Rice.*—The class Long shall be divided into five grades, the designations and requirements of which shall be as specified in this section.

Extra Fancy (U. S. No. 1) Long

(*a*) shall be well milled,
(*b*) shall be white or creamy,
(*c*) may contain not more than five-tenths of one per centum of chalky kernels,
(*d*) shall contain ninety per centum or more of whole kernels, but may contain not more than five-tenths of one per centum of broken kernels which will pass readily through a No. 6 sieve,

[1] The varieties C. I. 1564 and C. I. 1600 were named Butte and Colusa, respectively, by the Office of Cereal Investigations, Bureau of Plant Industry, United States Department of Agriculture, May, 1920.

(*e*) may contain a total of not more than three paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of three may include not more than either one heat-damaged kernel or one seed,
(*f*) may contain not more than five-tenths of one per centum of damaged kernels and red rice, either singly or combined,
(*g*) may contain not more than one per centum of whole kernels of rice of the classes Short and Round, either singly or combined,
(*h*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and
(*i*) may contain not more than fourteen and one-half per centum of moisture.

Fancy (U. S. No. 2) Long

(*a*) shall be well milled,
(*b*) shall be white, creamy, or grayish,
(*c*) may contain not more than one and five-tenths per centum of chalky kernels,
(*d*) shall contain eighty-five per centum or more of whole kernels, but may contain not more than one per centum of broken kernels which will pass readily through a No. 6 sieve,
(*e*) may contain a total of not more than eight paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of eight may include not more than four heat-damaged kernels and seeds, either singly or combined,
(*f*) may contain not more than one and five-tenths per centum of damaged kernels and red rice, either singly or combined,
(*g*) may contain not more than two per centum of whole kernels of rice of the classes Short and Round, either singly or combined,
(*h*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and
(*i*) may contain not more than fourteen and one-half per centum of moisture.

Choice (U. S. No. 3) Long

(*a*) shall be reasonably well milled,
(*b*) shall be white, creamy, or grayish, and may be slightly rosy,
(*c*) may contain not more than three per centum of chalky kernels,
(*d*) shall contain seventy-five per centum or more of whole kernels, but may contain not more than one and five-tenths per centum of broken kernels which will pass readily through a No. 6 sieve,
(*e*) may contain a total of not more than eighteen paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of eighteen may include not more than ten heat-damaged kernels and seeds, either singly or combined,

(*f*) may contain not more than two and five-tenths per centum of damaged kernels and red rice, either singly or combined,
(*g*) may contain not more than four per centum of whole kernels of rice of the classes Short and Round, either singly or combined,
(*h*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and
(*i*) may contain not more than fourteen and one-half per centum of moisture.

Medium (U. S. No. 4) Long
(*a*) may be any color except of badly damaged or extremely red,
(*b*) may contain not more than six per centum of chalky kernels,
(*c*) shall contain sixty-five per centum or more of whole kernels, but may contain not more than three per centum of broken kernels which will pass readily through a No. 6 sieve,
(*d*) may contain a total of not more than forty paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of forty may include not more than twenty-four heat-damaged kernels and seeds, either singly or combined,
(*e*) may contain not more than five per centum of damaged kernels and red rice, either singly or combined,
(*f*) may contain not more than four per centum of whole kernels of rice of the classes Short and Round, either singly or combined,
(*g*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and
(*h*) may contain not more than fourteen and one-half per centum of moisture.

Sample Grade Long
shall be milled rice of the class Long which does not come within the requirements of any of the grades from Extra Fancy (U. S. No. 1) to Medium (U. S. No. 4), inclusive, or which has any commercially objectionable foreign odor, or is musty, or sour, or is heating, hot, infested with weevils or other insects injurious to stored rice, or is otherwise of distinctly low quality.

Short Milled Rice.

Section 19. *Grades for Short Milled Rice.*—The class Short shall be divided into five grades, the designations and requirements of which shall be specified in this section.

Extra Fancy (U. S. No. 1) Short
(*a*) shall be well milled,
(*b*) shall be white or creamy,
(*c*) may contain not more than five-tenths of one per centum of chalky kernels,

(*d*) shall contain ninety-five per centum or more of whole kernels, but may contain not more than five-tenths of one per centum of broken kernels which will pass readily through a No. 6 sieve,
(*e*) may contain a total of not more than three paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of three may include not more than either one heat-damaged kernel or one seed,
(*f*) may contain not more than five-tenths of one per centum of damaged kernels and red rice, either singly or combined,
(*g*) may contain not more than one per centum of whole kernels of rice of the classes Long and Round, either singly or combined,
(*h*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and
(*i*) may contain not more than fourteen and one-half per centum of moisture.

Fancy (U. S. No. 2) Short
(*a*) shall be well milled,
(*b*) shall be white, creamy, or grayish,
(*c*) may contain not more than one and five-tenths per centum of chalky kernels,
(*d*) shall contain ninety per centum or more of whole kernels, but may contain not more than than one per centum of broken kernels which will pass readily through a No. 6 sieve,
(*e*) may contain a total of not more than eight paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of eight may include not more than four heat-damaged kernels and seeds, either singly or combined,
(*f*) may contain not more than one and five-tenths per centum of damaged kernels and red rice, either singly or combined,
(*g*) may contain not more than two per centum of whole kernels of rice of the classes Long and Round, either singly or combined,
(*h*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and
(*i*) may contain not more than fourteen and one-half per centum of moisture.

Choice (U. S. No. 3) Short
(*a*) shall be reasonably well milled,
(*b*) shall be white, creamy, or grayish, and may be slightly rosy,
(*c*) may contain not more than three per centum of chalky kernels,
(*d*) shall contain eighty per centum or more of whole kernels, but may contain not more than one and five-tenths per centum of broken kernels which will pass readily through a No. 6 sieve,

(*e*) may contain a total of not more than eighteen paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of eighteen may include not more than ten heat-damaged kernels and seeds, either singly or combined,

(*f*) may contain not more than two and five-tenths per centum of damaged kernels and red rice, either singly or combined,

(*g*) may contain not more than four per centum of whole kernels of rice of the classes Long and Round, either singly or combined,

(*h*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and

(*i*) may contain not more than fourteen and one-half per centum of moisture.

Medium (U. S. No. 4) Short

(*a*) may be any other color except of badly damaged or extremely red,

(*b*) may contain not more than six per centum of chalky kernels,

(*c*) shall contain seventy per centum or more of whole kernels, but may contain not more than three per centum of broken kernels which will pass readily through a No. 6 sieve,

(*d*) may contain a total of not more than forty paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of forty may include not more than twenty-four heat-damaged kernels and seeds, either singly or combined,

(*e*) may contain not more than five per centum of damaged kernels and red rice, either singly or combined,

(*f*) may contain not more than four per centum of whole kernels of rice of the classes Long and Round, either singly or combined,

(*g*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and

(*h*) may contain not more than fourteen and one-half per centum of moisture.

Sample Grade Short

shall be milled rice of the class Short which does not come within the requirements of any of the grades from Extra Fancy (U. S. No. 1) to Medium (U. S. No. 4), inclusive, or which has any commercially objectionable foreign odor, or is musty, or sour, or is heating, hot, infested with weevils or other insects injurious to stored rice, or is otherwise of distinctly low quality.

Round Milled Rice.

SECTION 20. *Grades for Round Milled Rice.*—The class Round shall be divided into five grades, the designations and requirements of which shall be as specified in this section.

Extra Fancy (U. S. No. 1) Round

(*a*) shall be well milled,
(*b*) shall be white or creamy,
(*c*) may contain not more than one per centum of chalky kernels,
(*d*) shall contain ninety-five per centum or more of whole kernels, but may contain not more than five-tenths of one per centum of broken kernels which will pass readily through a No. 6 sieve,
(*e*) may contain a total of not more than three paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of three may include not more than either one heat-damaged kernel or one seed,
(*f*) may contain not more than five-tenths of one per centum of damaged kernels and red rice, either singly or combined,
(*g*) may contain not more than one per centum of whole kernels of rice of the classes Long and Short, either singly or combined,
(*h*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and
(*i*) may contain not more than fourteen and one-half per centum of moisture.

Fancy (U. S. No. 2) Round

(*a*) shall be well milled,
(*b*) shall be white, creamy, or grayish,
(*c*) may contain not more than three per centum of chalky kernels,
(*d*) shall contain ninety per centum or more of whole kernels, but may contain not more than one per centum of broken kernels which will pass readily through a No. 6 sieve,
(*e*) may contain a total of not more than eight paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of eight may include not more than four heat-damaged kernels and seeds, either singly or combined,
(*f*) may contain not more than one and five-tenths per centum of damaged kernels and red rice, either singly or combined,
(*g*) may contain not more than two per centum of whole kernels of rice of the classes Long and Short, either singly or combined,
(*h*) may contain not more then one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and
(*i*) may contain not more than fourteen and one-half per centum of moisture.

Choice (U. S. No. 3) Round

(*a*) shall be reasonably well milled,
(*b*) shall be white, creamy, or grayish, and may be slightly rosy,

(*c*) may contain not more than six per centum of chalky kernels,

(*d*) shall contain eighty per centum or more of whole kernels, but may contain not more than one and five-tenths per centum of broken kernels which will pass readily through a No. 6 sieve,

(*e*) may contain a total of not more than eighteen paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of eighteen may include not more than ten heat-damaged kernels and seeds, either singly or combined,

(*f*) may contain not more than two and five-tenths per centum of damaged kernels and red rice, either singly or combined,

(*g*) may contain not more than four per centum of whole kernels of rice of the classes Long and Short, either singly or combined,

(*h*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and

(*i*) may contain not more than fourteen and one-half per centum of moisture.

Medium (U. S. No. 4) Round

(*a*) may be any color except of badly damaged or extremely red,

(*b*) may contain not more than ten per centum of chalky kernels,

(*c*) shall contain seventy per centum or more of whole kernels, but may contain not more than three per centum of broken kernels which will pass readily through a No. 6 sieve,

(*d*) may contain a total of not more than forty paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of forty may include not more than twenty-four heat-damaged kernels and seeds, either singly or combined,

(*e*) may contain not more than five per centum of damaged kernels and red rice, either singly or combined,

(*f*) may contain not more than four per centum of whole kernels of rice of the classes Long and Short, either singly or combined,

(*g*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and

(*h*) may contain not more than fourteen and one-half per centum of moisture.

Sample Grade Round

shall be milled rice of the class Round which does not come within the requirements of any of the grades from Extra Fancy (U. S. No. 1) to Medium (U. S. No. 4), inclusive, or which has any commercially objectionable foreign odor, or is musty, or sour, or is heating, hot, infested with weevils or other insects injurious to stored rice, or is otherwise of distinctly low quality.

Mixed Milled Rice.

SECTION 21. *Grades for Mixed Milled Rice.*—Mixed milled rice shall be graded according to the grade requirements of the class of milled rice which predominates over each other class in the mixture; the grade designations of such rice shall include successively in the order named, the name of the grade or the number thereof, the word "Mixed," and, in the order of its predominance, the name and approximate percentage of the whole kernels of each class of rice in the mixture.

Second Head Milled Rice.

SECTION 22. *Grades for Second Head Milled Rice.*—The class Second Head shall be divided into three grades, the designations and requirements of which shall be as specified in this section.

Fancy (U. S. No. 1) Second Head

(*a*) shall be white, creamy, or grayish,

(*b*) may contain not more than five per centum of chalky kernels,

(*c*) may contain not more than twenty-five per centum of broken kernels which will pass readily through a No. 6½ sieve, or not more than five per centum of broken kernels which will pass readily through a No. 6 sieve,

(*d*) May contain a total of not more than twenty paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of twenty may include not more than sixteen heat-damaged kernels and seeds, either singly or combined,

(*e*) may contain not more than two per centum of damaged kernels and red rice, either singly or combined,

(*f*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and

(*g*) may contain not more than fourteen and one-half per centum of moisture.

Choice (U. S. No. 2) Second Head

(*a*) may be any color except of badly damaged or extremely red,

(*b*) may contain not more than ten per centum of chalky kernels,

(*c*) may contain a total of not more than fifty paddy grains, other cereal grains, seeds, and heat-damaged kernels in five hundred grams, which total of fifty may include not more than forty heat-damaged kernels and seeds, either singly or combined,

(*d*) may contain not more than six per centum of damaged kernels and red rice, either singly or combined,

(*e*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and

(*f*) may contain not more than fourteen and one-half per centum of moisture.

Sample Grade Second Head

shall be milled rice of the class Second Head which does not come within the requirements of grades Fancy (U. S. No. 1) and Choice (U. S. No. 2), or which has any commercially objectionable foreign odor, or is musty, or sour, or is heating, hot, infested with weevils or other insects injurious to stored rice, or is otherwise of distinctly low quality.

Screenings Milled Rice.

SECTION 23. *Grades for Screenings Milled Rice.*—The class Screenings shall be divided into three grades, the designations and requirements of which shall be as specified in this section.

Fancy (U. S. No. 1) Screenings

(*a*) shall be white, creamy, or grayish,

(*b*) may contain not more than ten per centum of chalky kernels,

(*c*) may contain not more than twenty-five per centum of broken kernels which will pass readily through a No. 6 sieve, and not more than ten per centum of broken kernels which will pass readily through a No. 5½ sieve,

(*d*) may contain a total of not more than thirty paddy grains, other cereal grains, and seeds in five hundred grams, which total of thirty may include not more than twenty seeds,

(*e*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and

(*f*) may contain not more than fourteen and one-half per centum of moisture.

Choice (U. S. No. 2) Screenings

(*a*) may be any color except of badly damaged or extremely red,

(*b*) may contain not more than fifteen per centum of chalky kernels,

(*c*) may contain not more than fifty per centum of broken kernels which will pass readily through a No. 6 sieve, and not more than fifteen per centum of broken kernels which will pass readily through a No. 5½ sieve,

(*d*) may contain a total of not more than seventy paddy grains, other cereal grains, and seeds in five hundred grams, which total of seventy may include not more than sixty seeds,

(*e*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and

(*f*) may contain not more than fourteen and one-half per centum of moisture.

Sample Grade Screenings

shall be milled rice of the class Screenings which does not come within the requirements of grades Fancy (U. S. No. 1) and Choice (U. S. No. 2), or which has any commercially objectionable foreign odor, or is musty, or sour, or is heating, hot, infested with weevils or other insects injurious to stored rice, or is otherwise of distinctly low quality.

Brewers Milled Rice.

SECTION 24. *Grades for Brewers Milled Rice.*—The class Brewers shall be divided into three grades, the designations and requirements of which shall be as specified in this section.

Fancy (U. S. No. 1) Brewers

(*a*) shall be white, creamy, or grayish,

(*b*) may contain a total of not more than fifty paddy grains, other cereal grains, and seeds in five hundred grams, which total of fifty may include not more than forty seeds,

(*c*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and

(*d*) may contain not more than fourteen and one-half per centum of moisture.

Choice (U. S. No. 2) Brewers

(*a*) may be any color except of badly damaged or extremely red,

(*b*) may contain a total of not more than eighty paddy grains, other cereal grains, and seeds in five hundred grams, which total of eighty may include not more than seventy seeds,

(*c*) may contain not more than one-tenth of one per centum of foreign material excepting paddy grains, other cereal grains, and seeds, and

(*d*) may contain not more than fourteen and one-half per centum of moisture.

Sample Grade Brewers

shall be milled rice of the class Brewers which does not come within the requirements of either of the grades Fancy (U. S. No. 1) or Choice (U. S. No. 2), or which has any commercially objectionable foreign odor, or is musty or sour, or is heating, hot, infested with weevils or other insects injurious to stored rice, or is otherwise of distinctly low quality.

FOOD AND DRUGS ACT.

Nothing herein shall be construed as authorizing the adulteration of milled rice by the addition of water, by the admixture of hulls or straw, decomposed or damaged kernels of rice, other grains, or any other foreign material, or otherwise, in violation of the Food and Drugs Act of June 30, 1906, nor as authorizing the coating of rice or the labeling thereof in violation of that act.

Class.	Grade.	Red rice and damage other than heat.	Number in 500 grams.		Size separations.				Chalky.	Other rices.	Color.
			Cereal grains, seeds, heat-damaged kernels.		Whole kernels.	Broken kernels through sieves—					
			Total.	H. D. and seeds (singly or combined).		No. 5½.	No. 6.	No. 6½.			
		P. ct.	*No.*	*No.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	
Long	Extra Fancy (U. S. No. 1)[1]	0.5	3	1	90	.....	0.5	.....	0.5	1	White or creamy.
	Fancy (U. S. No. 2)[1]	1.5	8	4	85	.....	1.0	.....	1.5	2	White, creamy, or grayish.
	Choice (U. S. No. 3)[1]	2.5	18	10	75	.....	1.5	.....	3.0	4	White, creamy, or grayish, and may be slightly rosy.
	Medium (U. S. No. 4)	5.0	40	24	65	.....	3.0	.....	6.0	4	Any color except of badly damaged or extremely red.
	Sample grade[2]	.....	.....	.....	.....	.....	.....	.....	.....	4	
Short	Extra Fancy (U. S. No. 1)[1]	0.5	3	1	95	.....	0.5	.....	0.5	1	White or creamy.
	Fancy (U. S. No. 2)[1]	1.5	8	4	90	.....	1.0	.....	1.5	2	White, creamy, or grayish.
	Choice (U. S. No. 3)[1]	2.5	18	10	80	.....	1.5	.....	3.0	4	White, creamy, or grayish, and may be slightly rosy.
	Medium (U. S. No. 4)	5.0	40	24	70	.....	3.0	.....	6.0	4	Any color except of badly damaged or extremely red.
	Sample grade[2]	.....	.....	.....	.....	.....	.....	.....	.....	4	
Round	Extra Fancy (U. S. No. 1)[1]	0.5	3	1	95	.....	0.5	.....	1.0	1	White or creamy.
	Fancy (U. S. No. 2)[1]	1.5	8	4	90	.....	1.0	.....	3.0	2	White, creamy, or grayish.
	Choice (U. S. No. 3)[1]	2.5	18	10	80	.....	1.5	.....	6.0	4	White, creamy, or grayish, and may be slightly rosy.
	Medium (U. S. No. 4)	5.0	40	24	70	.....	3.0	.....	10.0	4	Any color except of badly damaged or extremely red.
	Sample grade[2]	.....	.....	.....	.....	.....	.....	.....	.....	4	
Mixed	(See footnote 3)	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Second head	Fancy (U. S. No. 1)	2.0	20	16	.....	.....	5.0	25.0	5.0	.....	White, creamy, or grayish.
	Choice (U. S. No. 2)	6.0	50	40	.....	.....	10.0	40.0	10.0	.....	Any color except of badly damaged or extremely red.
	Sample grade[2]	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Screenings	Fancy (U. S. No. 1)	.....	30	20	.....	10.0	25.0	.....	10.0	.....	White, creamy, or grayish.
	Choice (U. S. No. 2)	.....	70	60	.....	15.0	50.0	.....	15.0		Any color except of badly damaged or extremely red.
	Sample grade[2]	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Brewers	Fancy (U. S. No. 1)	.....	50	40	.....	.....	.....	.....	.....	.....	White, creamy, or grayish.
	Choice (U. S. No. 2)	.....	80	70	.....	.....	.....	.....	.....	.....	Any color except of badly damaged or extremely red.
	Sample grade[2]	.....	.....	.....	.....	.....	.....	.....	.....	.....	

[1] Rice of the grades Extra Fancy (U. S. No. 1) and Fancy (U. S. No. 2) in classes I, II, III, and IV shall be well milled. Rice of the grade Choice (U. S. No. 3) in classes I, II, III, and IV shall be reasonably well milled.

[2] Shall be milled rice which does not come within the requirements of any of the other grades of the class to which it belongs or which has any commercially objectionable foreign odor, or is musty or sour, or is heating, hot, infested with weevils or other insects injurious to stored rice, or is otherwise of distinctly low quality, or contains more than one-tenth of one per centum of foreign material excepting cereal grains and seeds, or contains more than fourteen and one-half per centum of moisture.

[3] Mixed milled rice shall be graded according to the grade requirements of the class of milled rice which predominates over each other class in the mixture; the grade designations of such rice shall include, successively in the order named, the name of the grade, or the number thereof, the word "Mixed," and, in the order of its predominance, the name and approximate percentage of the whole kernels of each class of rice in the mixture.

NOTE.—The figures in the above tabulation in all cases, except whole kernels, indicate maximum limit; the figures under whole kernels indicate minimum limit. The above is merely an abridged tabulation. For the definitions and requirements of the classes of milled rice, see section 17.